

10/587,807

O.I.C. TO ENTER 5/4/10  
PENCE - 4/23/10

In the Claims

DO NOT ENTER -- /MLS/

April 19th, 2010

1. (Cancelled)
2. (Currently Amended) A martensitic stainless steel seamless pipe containing:  
less than about 0.0100% of C;  
less than about 0.0100% of N;  
about 10% to about 14% of Cr;  
about 4% to about 7% of Ni;  
about 0.05% to about 1.0% of Si;  
about 0.1% to about 2.0% of Mn;  
about 0.3% or less of P;  
about 0.010% or less of S;  
about 0.001% to about 0.10% of Al;  
one or more selected from the group consisting of about 4% or less of Cu, about 4% or less of Co, about 4% or less of Mo, and about 4% or less of W; and  
one or more selected from the group consisting of about 0.15% or less of Ti, about 0.10% or less of Nb, about 0.10% or less of V, about 0.10% or less of Zr, about 0.20% or less of Hf, and about 0.20% or less of Ta on a mass basis, the remainder being Fe and unavoidable impurities, wherein the content  $C_{sol}$  defined by the following equation (1) is equal to or less than 0.0050%:

$$C_{sol} = C - \frac{1}{3} \times C_{pre} \quad (1)$$

where  $C_{pre} = 12.0 \{ \frac{Ti}{47.9} + \frac{1}{2} (\frac{Nb}{92.9} + \frac{Zr}{91.2}) + \frac{1}{3} (\frac{V}{50.9} + \frac{Hf}{178.5} + \frac{Ta}{180.9}) - \frac{N}{14.0} \}$  or  $C_{pre} = 0$  when  $C_{pre} < 0$ , where C represents the carbon content, Ti represents the titanium content, Nb represents the niobium content, Zr represents the zirconium